

WHAT IS CLAIMED IS:

1. An assembly of a driving circuit for a display
apparatus comprising a display device, a film carrier
having a lead to transfer a signal for driving said
5 display device, and a bus board for supplying a signal
to said lead, wherein

a dummy lead is provided along the outside of each
of an input side outer lead and an output side outer
lead of said film carrier, and a predetermined voltage
10 is applied to said dummy leads.

2. An assembly according to claim 1, wherein said
predetermined voltage value which is applied to said
dummy lead is set to a value that is decided so as not
15 to stationarily cause a DC bias for a voltage of said
output side outer lead.

3. An assembly according to claim 1, wherein one
end of said dummy lead is electrically connected to
20 said bus board and the other end is electrically
connected to said display device.

4. A display apparatus comprising:
a display device having a group of electrodes for
25 supplying signals to pixels;

a bus for transferring the signals which are supplied to said group of electrodes or signals to drive said electrodes; and

5 a film carrier having a group of leads for electrically connecting said group of electrodes of said display device and connecting terminals of a bus board;

10 wherein said film carrier has dummy leads on both sides of said group of leads, and a DC component of a voltage difference which is caused between said dummy lead and a lead adjacent to said dummy lead is almost equal to zero in a predetermined period of time.

5. An apparatus according to claim 4, wherein
15 voltages (V_+ , V_-) of both polarities for a center voltage (V_C) are applied to said group of electrodes, and a voltage of the same potential as said center voltage is applied to said dummy leads.

20 6. An apparatus according to claim 4, wherein a scanning non-selection voltage (V_C) and scanning selection voltages (V_+ , V_-) are applied to said group of electrodes, and a voltage of the same potential as said scanning non-selection voltage is applied to said dummy
25 leads.

7. An apparatus according to claim 4, wherein a signal is supplied to said dummy leads for a predetermined period of time and said dummy lead is held at a predetermined voltage for a period of time other than said predetermined period of time.

8. An apparatus according to claim 4, wherein a voltage for a frame driving is applied to at least one of said dummy leads.

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9. An apparatus according to claim 4, wherein said film carrier has a driver IC.

10. An apparatus according to claim 4, wherein said dummy leads and a dummy electrode of said display device are electrically connected.

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11. An apparatus according to claim 4, wherein said dummy leads and a dummy electrode or an electrode for a frame driving of said display device are adhered by an anisotropic conductive adhesive agent.

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12. An apparatus according to claim 4, wherein said dummy lead is held at a predetermined voltage for at least one frame period of time.

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13. An apparatus according to claim 4, wherein said dummy leads are held at a predetermined voltage for at least one frame period of time.

5 14. An apparatus according to claim 4, wherein said film carrier has an input side outer lead that is connected to said bus board, an output side outer lead that is connected to said display device, and a dummy lead for short-circuiting said bus board and said dummy
10 electrode or said electrode for the frame driving of said display device.

15 15. An apparatus according to claim 14, wherein said input side outer lead and said output side outer lead are connected to a driver IC, and said dummy lead is not connected to said driver IC.

20 16. An apparatus according to claim 4, wherein said display device is any one of a liquid crystal device, a plasma device, an electrochromic device, and an electron emitting device.

25 17. An apparatus according to claim 4, wherein said predetermined period of time is longer than one horizontal selection period of time.

18. An apparatus according to claim 4, wherein said predetermined period of time is one frame period of time.